

120-PSI Precision Mine Repair Seal
MSHA SEAL APPROVAL NUMBER 120-75.336.1.07.04.0

120-PSI Precision Mine Repair Seal

Basic Seal Description: This Precision Mine Repair seal is designed to withstand a dynamic overpressure of 120 psi from a mine explosion. The pressure-time history curve used for the design was a 120-psi pressure instantaneously applied to the structure for a duration of 250 milliseconds. The seal is designed for a maximum seal height of 8 feet and a maximum seal width of 21 feet.

Construction materials for the seal are Precision Mine Repair Welded Wire 3-D Panels, rebar and shotcrete. The seal design is detailed in a report titled "21' x 8' Blast Seal Re-Design," which is dated June 13, 2007. MSHA seal approval number 120-75.336.1.07.04.0 was issued on June 20, 2007.

The seal design is certified by a registered professional engineer. A mine operator may install the Precision Mine Repair 120-psi seal provided its installation is approved in the ventilation plan and the mine operator meets the provisions specified in Section 75.336 (b).

For detailed information on this seal, contact Mr. Harry Riddle, Precision Mine Repair, 705 W. Main Street, Ridgway, IL. The telephone number is 618-272- 7220.